

AMENDMENTS TO THE CLAIMS

Please cancel claims 10-12 without prejudice or disclaimer.

Please amend the following claims.

Listing of Claims:

10 – 12 (canceled)

13. (currently amended) ~~The substrate of claim 10, further comprising an immobilization layer for immobilizing a probe biomolecule, wherein the immobilization layer is formed in a pattern on the substrate.~~ A substrate for bio-microarray, wherein the substrate comprises an anti-reflection layer formed on the surface of the substrate, wherein the anti-reflection layer has a fine uneven structure comprising a fine particle of diameter in a range of 50 nm to 300nm wherein said fine uneven structure comprises an immobilization layer formed in a pattern for immobilizing a probe biomolecule thereon.

14. (currently amended) ~~The substrate of claim 11, further comprising an immobilization layer for immobilizing a probe biomolecule, wherein the immobilization layer is formed in a pattern on the substrate.~~ The substrate of claim 13, wherein the fine uneven structure has a depth in a range of 80 nm to 250nm.

15. (currently amended) ~~The substrate of claim 12, further comprising an immobilization layer for immobilizing a probe biomolecule, wherein the immobilization layer is formed in a pattern on the substrate.~~ A substrate for bio-microarray, wherein the substrate comprises an anti-reflection layer formed on the surface of the substrate, wherein the anti-reflection layer has a fine porous structure, and further comprises an immobilization layer formed in a pattern on the anti-reflection layer for immobilizing a probe biomolecule thereon.

16. (currently amended) The substrate of [[claim 10]] claim 13, further comprising a mark formed on the substrate for positional detection.
17. (currently amended) The substrate of [[claim 11]] claim 14, further comprising a mark formed on the substrate for positional detection.
18. (currently amended) The substrate of [[claim 12]] claim 15, further comprising a mark formed on the substrate for positional detection.
19. (currently amended) A biomicroarray, comprising the substrate of [[claim 10]] claim 13 and a probe biomolecule immobilized on the substrate.
20. (currently amended) A biomicroarray, comprising the substrate of [[claim 11]] claim 14 and a probe biomolecule immobilized on the substrate.
21. (currently amended) A biomicroarray, comprising the substrate of [[claim 12]] claim 15 and a probe biomolecule immobilized on the substrate.